

**--Abstract of the Disclosure**

A system for allocating subcarriers to subscribers, comprising a subcarriers allocation controller, connected to a subcarrier modulation unit in a transmitter and to a subcarrier demodulation unit in a receiver for setting a group of subcarriers to be used therein. The transmitter and the receiver are part of the transceiver and subcarriers allocation is made according to a Reed-Solomon code. In a multicarrier system, a method for allocating subcarriers to subscribers, comprising the steps of: A. keep a table of R-S codes for frequency group allocation to base stations; B. assign one set of subcarriers based on R-S codes to a base station; C. assign other sets of subcarriers based on R-S codes to other base stations in such a way that adjacent base stations have different R-S codes. to minimize the number of collision points therebetween.--

Serial No. : 09/624,236 - 3 -

In page 10, line 12, change the word "second" to --third-- .

The paragraph with markings to show the replaced words:

-- E. a ((second)) third user is assigned carriers in the above groups, as follows

in group No.	1	2	3	4	5	6	7	8	9	10	11	12 ...
Subcarrier No.	2	10	4	20	8	17	16	11	9	22	18	21 ...--

The corrected paragraph will be as follows:

-- E. a third user is assigned carriers in the above groups, as follows

in group No.	1	2	3	4	5	6	7	8	9	10	11	12 ...
Subcarrier No.	2	10	4	20	8	17	16	11	9	22	18	21 ...--

In the Claims:

Cancel without prejudice all the claims (Claims 1-15) now pending, and substitute therefor the following new Claims 16 - 26: